

| Session Type Name | Session Title | Session Number | Session Start | Session End | Location | Abstract Title | Presentation Start | Presentation End | Presentation Number | Poster Board Number | Organizing Section | Authors Institutions |
|-------------------------------|---|----------------|------------------|------------------|----------|--|--------------------|------------------|---------------------|---------------------|--|--|
| SUNDAY, APRIL 27, 2008 | | | | | | | | | | | | |
| Poster Session | Measurement of IOP | 135 | 4/27/08 11:00 AM | 4/27/08 12:45 PM | Hall B/C | Correcting Goldmann Applanation Tonometer Values May Not Decrease Error in Measurement | 4/27/08 11:00 AM | 4/27/08 12:45 PM | 694 | D967 | Glaucoma | <i>P. Gunvant¹, R.D. Newcomb², E.M. Kirstein³, V.E. Malinovsky⁴, R.J. Madonna⁵, R.E. Meetz⁴.</i> ¹ Southern College of Optometry, Memphis, TN; ² The Ohio State University, Columbus, OH; ³ The Glaucoma and Diabetes Eye Institute, Cincinnati, OH; ⁴ Indiana University, Bloomington, IN; ⁵ State University of New York, New York, NY. |
| Poster Session | Imaging Retinal Disease and Visual Function | 154 | 4/27/08 2:30 PM | 4/27/08 4:15 PM | Hall B/C | Aging and the Scattered Light Ratio in Confocal Polarized Light Imaging | 4/27/08 2:30 PM | 4/27/08 4:15 PM | 888 | D718 | Visual Psychophysics/ Physiological Optics | <i>A.E. Elsner, D.A. VanNasdale, B.P. Haggerty, J.A. Papay, M.J. Cannon, C.J. Kenrick, S.A. Burns.</i> Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Imaging Retinal Disease and Visual Function | 154 | 4/27/08 2:30 PM | 4/27/08 4:15 PM | Hall B/C | Foveal Localization and Polarimetric Image Comparisons Between Age-Related Macular Degeneration and Normals | 4/27/08 2:30 PM | 4/27/08 4:15 PM | 890 | D720 | Visual Psychophysics/ Physiological Optics | <i>D.A. VanNasdale¹, A.E. Elsner¹, A. Weber², M. Miura³, B.P. Haggerty¹, Y. Zhao¹, J.A. Papay¹, M.J. Cannon¹, C.J. Kenrick¹, B.D. Hansel¹.</i> ¹ Optometry, Indiana Univ Sch of Optometry, Bloomington, IN; ² Ophthalmology, University Hospital, Aachen, Germany; ³ Ophthalmology, Tokyo Medical University, Tokyo, Japan. |
| Poster Session | Imaging Retinal Disease and Visual Function | 154 | 4/27/08 2:30 PM | 4/27/08 4:15 PM | Hall B/C | Testing AOSLO Measurements of Retinal Blood Flow | 4/27/08 2:30 PM | 4/27/08 4:15 PM | 895 | D725 | Visual Psychophysics/ Physiological Optics | <i>Z. Zhong, B. Petrig, Y. Chui, X. Qi, S. Burns.</i> School of Optometry, Indiana University Bloomington, Bloomington, IN. |
| Poster Session | Aberrations and Optical Properties of the Eye | 157 | 4/27/08 2:30 PM | 4/27/08 4:15 PM | Hall B/C | Validation of Programmable Liquid-Crystal Lens by Use of Hartmann-Moire Wavefront Sensor | 4/27/08 2:30 PM | 4/27/08 4:15 PM | 978 | D834 | Visual Psychophysics/ Physiological Optics | <i>M. Zhang^{1,2}, T.V. Heugten³, X. Wei², S. Ravikumar², J. Nam², N.L. Himebaugh², P.S. Kollbaum², L.N. Thibos², Z. Wang¹.</i> ¹ Institute of Modern Optics, Nankai University, Tianjin, China; ² School of Optometry, Indiana University, Bloomington, IN; ³ PixelOptics, Roanoke, VA. |
| Poster Session | Corneal Optics and Topography | 159 | 4/27/08 2:30 PM | 4/27/08 4:15 PM | Hall B/C | Influence of Region of Interest and Area Analyzed on the Calculation of the Highest Elevation Above the Posterior Best Fit Sphere | 4/27/08 2:30 PM | 4/27/08 4:15 PM | 1019 | D875 | Cornea | <i>A.M. Mahmoud¹, M.D. Twa², J.S. Pepose³, M.A. Qazi³, P. Kollbaum⁴, C.J. Roberts¹.</i> ¹ Ophthalmology and Biomedical Engineering, The Ohio State University, Columbus, OH; ² Optometry, University of Houston, Houston, TX; ³ Pepose Vision Institute, St. Louis, MO; ⁴ Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Corneal Optics and Topography | 159 | 4/27/08 2:30 PM | 4/27/08 4:15 PM | Hall B/C | Detection of Corneal Irregularity With Automated Corneal Topography Indices | 4/27/08 2:30 PM | 4/27/08 4:15 PM | 1030 | D886 | Cornea | <i>P.S. Kollbaum¹, J. Pepose², M. Qazi², A. Mahmoud³, C. Roberts³, M. Twa⁴, M. Merchea⁵.</i> ¹ Optometry, Indiana University, Bloomington, IN; ² Pepose Vision, St. Louis, MO; ³ The Ohio State University, Columbus, OH; ⁴ Optometry, University of Houston, Houston, TX; ⁵ Bausch and Lomb, Rochester, NY. |
| Poster Session | Visual Fields and Visual Function I | 161 | 4/27/08 2:30 PM | 4/27/08 4:15 PM | Hall B/C | Retest Variability and the Gradient of the Visual Field: Blind Spot vs. Scotoma | 4/27/08 2:30 PM | 4/27/08 4:15 PM | 1089 | D1032 | Glaucoma | <i>H.J. Wyatt^{1A}, J. Chan^{1A}, W.H. Swanson², M.W. Du^{1B}.</i> ^A Biological Sciences, ^B Clinical Sciences, ¹ SUNY Optometry, New York, NY; ² Optometry, Indiana University, Bloomington, IN. |

| Session Type Name | Session Title | Session Number | Session Start | Session End | Location | Abstract Title | Presentation Start | Presentation End | Presentation Number | Poster Board Number | Organizing Section | Authors Institutions |
|-------------------------------|--|----------------|------------------|-----------------|----------------------|---|--------------------|------------------|---------------------|---------------------|---|---|
| MONDAY, APRIL 28, 2008 | | | | | | | | | | | | |
| Paper Session | Surface and Physical Properties of the Tear Film | 237 | 4/28/08 11:15 AM | 4/28/08 1:00 PM | Grand Floridian A | A Link Between Tear Instability and Hyperosmolarity in Dry Eye | 4/28/08 12:00 PM | 4/28/08 12:15 PM | 1543 | | Cornea | C.G. Begley, H. Liu, M. Chen, M. Jansen, A. Bradley, J. Bonanno. School of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Electrophysiology and Structure/Function II | 239 | 4/28/08 11:15 AM | 4/28/08 1:00 PM | Grand Floridian D | Retinal Ganglion Cell Saturation to High Contrast Stimuli in Perimetry | 4/28/08 12:15 PM | 4/28/08 12:30 PM | 1558 | | Glaucoma | S.K. Gardiner ¹ , W.H. Swanson ² , S. Demirel ¹ , A.M. McKendrick ³ , A. Turpin ⁴ , C.A. Johnson ¹ . ¹ Devers Eye Institute Research, Legacy Health System, Portland, OR; ² School of Optometry, Indiana University, Bloomington, IN; ³ Department of Optometry and Vision Sciences, University of Melbourne, Melbourne, Australia; ⁴ School of Computer Science & IT, RMIT University, Melbourne, Australia. |
| Poster Session | Strabismus | 251 | 4/28/08 11:15 AM | 4/28/08 1:00 PM | Hall B/C | Accommodative Performance in Refractive Esotropia | 4/28/08 11:15 AM | 4/28/08 1:00 PM | 1808 | D673 | Eye Movements/ Strabismus/ Amblyopia/ Neuro-Ophthalmology | T. Candy ¹ , K.H. Gray ¹ , D.E. Neely ² . ¹ Sch of Optometry, Indiana University, Bloomington, IN; ² Sch of Medicine, Indiana University, Indianapolis, IN. |
| Poster Session | Optical Imaging and Image Processing | 253 | 4/28/08 11:15 AM | 4/28/08 1:00 PM | Hall B/C | Wavefront Control of Dual-Deformable-Mirror Adaptive Optics for Scanning Laser Ophthalmoscope | 4/28/08 11:15 AM | 4/28/08 1:00 PM | 1848 | D757 | Visual Psychophysics/ Physiological Optics | W. Zou, X. Qi, S.A. Burns. School of Optometry, Indiana University, Bloomington, IN. |
| Special Interest Group (SIG) | Accommodation and Lag: Implications for Vision Screening and Refractive Error Management | 263 | 4/28/08 1:15 PM | 4/28/08 2:45 PM | Palm A | What is normal accommodation in infants and preschoolers? | 4/28/08 1:15 PM | 4/28/08 2:45 PM | | | Eye Movements/ Strabismus/ Amblyopia/ Neuro-Ophthalmology | R. Candy. School of Optometry, Indiana University. |
| Paper Session | Contact Lens I | 274 | 4/28/08 3:00 PM | 4/28/08 4:45 PM | Floridian Ballroom A | On-Eye Contact Lens Central vs. Temporal P₀₂ Measurements Compared to FEA Model of Corneal Oxygen Distribution Predicted Trends | 4/28/08 3:00 PM | 4/28/08 3:15 PM | 2018 | | Cornea | C.F. Morgan ¹ , G. Zhang ² , L. Alvord ¹ , J.A. Bonanno ³ , J. Hall ¹ . ¹ RD&E, CIBA Vision Corp, Duluth, GA; ² Driftmier Engineering Center, University of Georgia, Athens, GA; ³ School of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Retinal Physiology | 272 | 4/28/08 3:00 PM | 4/28/08 4:45 PM | Room 305 | Functional Retinal Imaging of Intrinsic Optical Signals in a Cat Model of Glaucoma | 4/28/08 3:30 PM | 4/28/08 3:45 PM | 2006 | | Physiology/ Pharmacology | D.Y. Tso ¹ , J. Schallek ¹ , G. McLellan ² , S. Viswanathan ² . ¹ Dept of Neurosurgery, SUNY Upstate Medical Univ, Syracuse, NY; ² Veterinary Medicine, University of Wisconsin, Madison, WI; ³ Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Contact Lens I | 274 | 4/28/08 3:00 PM | 4/28/08 4:45 PM | Floridian Ballroom A | Real Time Analysis of Optical Quality and Visual Performance During Tear Breakup | 4/28/08 4:30 PM | 4/28/08 4:45 PM | 2024 | | Cornea | H. Liu ¹ , L. Thibos ¹ , A. Bradley ¹ , C. Begley ¹ , K. Haggerty ¹ , K. Moody ² . ¹ School of Optometry, Indiana University, Bloomington, IN; ² Johnson & Johnson Vision Care, Inc., Jacksonville, FL. |

| Session Type Name | Session Title | Session Number | Session Start | Session End | Location | Abstract Title | Presentation Start | Presentation End | Presentation Number | Poster Board Number | Organizing Section | Authors Institutions |
|--------------------------------|---|----------------|------------------|------------------|----------|---|--------------------|------------------|---------------------|---------------------|--|---|
| TUESDAY, APRIL 29, 2008 | | | | | | | | | | | | |
| Paper Session | Depth-of-Focus and IOL Optical Performance | 305 | 4/29/08 8:30 AM | 4/29/08 10:15 AM | Room 305 | Polychromatic Image Quality in Pseudophakic Model Eyes With Hybrid Diffractive Multi-Focal Intra-Ocular Lenses | 4/29/08 9:30 AM | 4/29/08 9:45 AM | 2424 | | Visual Psychophysics/ Physiological Optics | S. Ravikumar, A. Bradley, L.N. Thibos. School Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Aberrations and Visual Performance | 337 | 4/29/08 11:15 AM | 4/29/08 1:00 PM | Room 305 | Moderator | 4/29/08 11:15 AM | 4/29/08 1:00 PM | | | Visual Psychophysics/ Physiological Optics | S.A. Burns. School of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Aberrations and Visual Performance | 337 | 4/29/08 11:15 AM | 4/29/08 1:00 PM | Room 305 | Impact of Fundus Structure on Wavefront Sensing of Ocular Aberrations | 4/29/08 11:15 AM | 4/29/08 11:30 AM | 2836 | | Visual Psychophysics/ Physiological Optics | W. Gao, B. Cense, C. Zhu, R.S. Jonnal, D.T. Miller. School of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Aberrations and Visual Performance | 337 | 4/29/08 11:15 AM | 4/29/08 1:00 PM | Room 305 | Change in Retinal Image Quality for Physiologic Pupil Diameters Does Not Account for the Loss of logMAR Acuity With Age | 4/29/08 12:15 PM | 4/29/08 12:30 PM | 2840 | | Visual Psychophysics/ Physiological Optics | R.A. Applegate ¹ , L.N. Thibos ² , J.D. Marsack ¹ , H.M. Queener ¹ , D.E. Koenig ¹ . ¹ Visual Optics Inst/Coll of Optometry, University of Houston, Houston, TX; ² School of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | The ERG in Normal Animals and Models of Retinal Disease | 338 | 4/29/08 11:15 AM | 4/29/08 1:00 PM | Room 315 | Comparison of Progressive Changes in the Photopic Negative Response and the Transient Pattern Electroretinogram of the Cat Following Retrograde Degeneration of Retinal Ganglion Cells | 4/29/08 12:45 PM | 4/29/08 1:00 PM | 2849 | | Visual Neuro physiology | S. Viswanathan ¹ , A.J. Weber ² , V.E. Malinovsky ¹ , C.D. Harman ² . ¹ School of Optometry, Indiana University, Bloomington, IN; ² Physiology, Michigan State University, East Lansing, MI. |
| Poster Session | Spatial, Temporal and Binocular Vision | 322 | 4/29/08 8:30 AM | 4/29/08 10:15 AM | Hall B/C | Measuring Differential Visual Latency With a Simultaneity Paradigm | 4/29/08 8:30 AM | 4/29/08 10:15 AM | 2539 | A82 | Visual Psychophysics/ Physiological Optics | S. Patel ¹ , H. Leung ¹ , S.H. Schwartz ¹ , W.H. Swanson ² . ¹ Vision Sciences, SUNY Optometry, New York, NY; ² School of Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Visual Function in Aging and Disease | 345 | 4/29/08 11:15 AM | 4/29/08 1:00 PM | Hall B/C | Visual Field Progression in Patients With Retinitis Pigmentosa | 4/29/08 11:15 AM | 4/29/08 1:00 PM | 2893 | A96 | Visual Psychophysics/ Physiological Optics | K. Holopigian ¹ , J.M. Gallardo ¹ , W. Seiple ¹ , W.H. Swanson ² , R.E. Carr ¹ . ¹ Ophthalmology, New York Univ School of Med, New York, NY; ² School of Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Membrane Transport I | 357 | 4/29/08 11:15 AM | 4/29/08 1:00 PM | Hall B/C | Disassembly and Formation of Apical Junctions in the Corneal Endothelium: A Study Based on Ca²⁺ Switch Protocol | 4/29/08 11:15 AM | 4/29/08 1:00 PM | 3164 | D897 | Physiology/ Pharmacology | C. Ramachandran, S.P. Srinivas. School of Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Membrane Transport I | 357 | 4/29/08 11:15 AM | 4/29/08 1:00 PM | Hall B/C | In vivo Knockdown of Sodium-Bicarbonate Cotransporter NBCe1 in Rabbit Corneal Endothelium by Lentiviral Gene Delivery | 4/29/08 11:15 AM | 4/29/08 1:00 PM | 3173 | D906 | Physiology/ Pharmacology | C. Liu, T. Nguyen, Q. Cheng, M. Calvin, J. Bonanno. School of Optometry, Indiana Univ, Bloomington, IN. |
| Paper Session | Color Vision: Structure and Function | 372 | 4/29/08 3:00 PM | 4/29/08 4:45 PM | Room 305 | Imaging the Functional Response of Cones to Color Stimuli | 4/29/08 3:30 PM | 4/29/08 3:45 PM | 3248 | | Visual Psychophysics/ Physiological Optics | R.S. Jonnal, B. Cense, W. Gao, J.M. Brown, C. Zhu, D.T. Miller. Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Peripheral Optics and Peripheral Vision | 381 | 4/29/08 3:00 PM | 4/29/08 4:45 PM | Hall B/C | Modal Estimation of Wavefront Over Elliptical Pupil From Hartmann Shack Wavefront Sensor Estimated Gradients | 4/29/08 3:00 PM | 4/29/08 4:45 PM | 3320 | A103 | Visual Psychophysics/ Physiological Optics | X. Wei, L. Thibos. Vision Science, Indiana University, Bloomington, IN. |
| Poster Session | Peripheral Optics and Peripheral Vision | 381 | 4/29/08 3:00 PM | 4/29/08 4:45 PM | Hall B/C | Off-Axis Monochromatic Aberrations in a Wide-Angle Model Eye | 4/29/08 3:00 PM | 4/29/08 4:45 PM | 3322 | A105 | Visual Psychophysics/ Physiological Optics | J. Shen, L. Thibos. School of Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Peripheral Optics and Peripheral Vision | 381 | 4/29/08 3:00 PM | 4/29/08 4:45 PM | Hall B/C | Changes in Peripheral Refractive Error Due to Accommodation and Higher Order Aberrations | 4/29/08 3:00 PM | 4/29/08 4:45 PM | 3326 | A109 | Visual Psychophysics/ Physiological Optics | C.A. Clark, P.S. Soni, L.N. Thibos. School of Optometry, University of Indiana, Bloomington, IN. |

| Session Type Name | Session Title | Session Number | Session Start | Session End | Location | Abstract Title | Presentation Start | Presentation End | Presentation Number | Poster Board Number | Organizing Section | Authors Institutions |
|----------------------------------|--|----------------|------------------|------------------|------------------------|--|--------------------|------------------|---------------------|---------------------|---|--|
| WEDNESDAY, APRIL 30, 2008 | | | | | | | | | | | | |
| Paper Session | Accommodation and Lens | 425 | 4/30/08 11:15 AM | 4/30/08 1:00 PM | Room 315 | Moderator | 4/30/08 11:15 AM | 4/30/08 1:00 PM | | | Visual Psychophysics/Physiological Optics | T. Candy. Sch of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Accommodation and Lens | 425 | 4/30/08 11:15 AM | 4/30/08 1:00 PM | Room 315 | Cues for the Control of Accommodation & Vergence During Postnatal Human Development | 4/30/08 11:30 AM | 4/30/08 11:45 AM | 4024 | | Visual Psychophysics/Physiological Optics | S.R. Bharadwaj, T. Candy. School of Optometry, Indiana University Bloomington, Bloomington, IN. |
| Paper Session | Stroma and Keratocytes | 427 | 4/30/08 11:15 AM | 4/30/08 1:00 PM | Floridian Ballroom BCD | Hypoxia and Elevated cAMP Reduce TGFβ1 Induced Keratocyte Myofibroblast Transformation Through the RhoA Pathway | 4/30/08 11:30 AM | 4/30/08 11:45 AM | 4038 | | Cornea | D. Xing, J.A. Bonanno. School of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Brain ONH Retina II: Aging and Neuroprotection | 430 | 4/30/08 11:15 AM | 4/30/08 1:00 PM | Grand Floridian D | Combined BDNF Application to the Eye and Brain Enhances Ganglion Cell Survival and Function in the Cat Following Optic Nerve Injury | 4/30/08 12:15 PM | 4/30/08 12:30 PM | 4062 | | Glaucoma | A.J. Weber ¹ , C. Ramanathan ¹ , S. Viswanathan ² , C. Harman ¹ . ¹ Physiology, Michigan State University, East Lansing, MI; ² School of Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Color Vision and Photoreceptors | 415 | 4/30/08 8:30 AM | 4/30/08 10:15 AM | Hall B/C | Local and Global Anisotropies in Cone Photoreceptor Packing | 4/30/08 8:30 AM | 4/30/08 10:15 AM | 3831 | A374 | Visual Psychophysics/Physiological Optics | T. Chui, H. Song, A. Bradley, S.A. Burns. School of Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Functional Development and Input/Output Relations in the Neural Retina | 416 | 4/30/08 8:30 AM | 4/30/08 10:15 AM | Hall B/C | Responses of Retinal Ganglion Cells to Perimetric Stimuli | 4/30/08 8:30 AM | 4/30/08 10:15 AM | 3862 | A405 | Visual Neurophysiology | W.H. Swanson ¹ , H. Sun ² , B.B. Lee ³ , D. Cao ⁴ . ¹ School of Optometry, Indiana University, Bloomington, IN; ² Optometry & Visual Sciences, Buskerud University College, Kongsberg, Norway; ³ Biological Sciences, SUNY State College of Optometry, New York, NY; ⁴ Department of Ophthalmology & Visual Science, University of Chicago, Chicago, IL. |
| Poster Session | Corneal Endothelium | 420 | 4/30/08 8:30 AM | 4/30/08 10:15 AM | Hall B/C | Lactate Transport in Cultured Bovine Corneal Endothelium | 4/30/08 8:30 AM | 4/30/08 10:15 AM | 3936 | D684 | Cornea | T.T. Nguyen, M. Cui, J. Bonanno. Dept of Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Corneal Endothelium | 420 | 4/30/08 8:30 AM | 4/30/08 10:15 AM | Hall B/C | Role of Microtubules in TNF- α-Induced Loss of Barrier Integrity of Corneal Endothelium | 4/30/08 8:30 AM | 4/30/08 10:15 AM | 3948 | D696 | Cornea | M. Shivanna, S.P. Srinivas. Optometry, Indiana Univ Sch of Optometry, Bloomington, IN. |
| Poster Session | Corneal Endothelium | 420 | 4/30/08 8:30 AM | 4/30/08 10:15 AM | Hall B/C | Protection of Corneal Endothelium by HCO3- Is Through cAMP Signaling Generated by Soluble Adenylate Cyclase (sAC) | 4/30/08 8:30 AM | 4/30/08 10:15 AM | 3957 | D705 | Cornea | K. Tan-Allen, J.A. Bonanno. Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Low Vision | 434 | 4/30/08 11:15 AM | 4/30/08 1:00 PM | Hall B/C | Validating a New Metric for Assessing the Discriminability of Vehicular Gap Times Using Different Amounts of Sensory Information | 4/30/08 11:15 AM | 4/30/08 1:00 PM | 4107 | A84 | Visual Psychophysics/Physiological Optics | S.E. Hassan ¹ , G.D. Barnett ² , R.W. Masso ² . ¹ School of Optometry, Indiana University, Bloomington, IN; ² Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD. |
| Paper Session | Optical Imaging of the Retina | 466 | 4/30/08 3:00 PM | 4/30/08 4:45 PM | Floridian Ballroom A | Functional Imaging of Cone Photoreceptors Using Ultrahigh Resolution Optical Coherence Tomography and Adaptive Optics | 4/30/08 3:15 PM | 4/30/08 3:30 PM | 4511 | | Visual Psychophysics/Physiological Optics | B. Cense, R.S. Jonnal, J. Brown, W. Gao, D.T. Miller. School of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Optical Imaging of the Retina | 466 | 4/30/08 3:00 PM | 4/30/08 4:45 PM | Floridian Ballroom A | Imaging the Inner Retina Using Adaptive Optics | 4/30/08 3:30 PM | 4/30/08 3:45 PM | 4512 | | Visual Psychophysics/Physiological Optics | S.A. Burns, Z. Zhangyi, T.Y.P. Chui, H. Song, A.E. Elsner, V.E. Malinovsky. School of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Optical Imaging of the Retina | 466 | 4/30/08 3:00 PM | 4/30/08 4:45 PM | Floridian Ballroom A | High-Resolution <i>in vivo</i> Retinal Imaging of Glial Cell Endfeet | 4/30/08 4:15 PM | 4/30/08 4:30 PM | 4515 | | Visual Psychophysics/Physiological Optics | H. Song, X. Qi, T. Chui, S.A. Burns. Optometry School, Indiana University, Bloomington, IN. |
| Poster Session | Contact Lens II | 484 | 4/30/08 3:00 PM | 4/30/08 4:45 PM | Hall B/C | Blinking and Tear Break-Up in Soft Contact Lens Wearers | 4/30/08 3:00 PM | 4/30/08 4:45 PM | 4836 | D758 | Cornea | M.E. Jansen, C.G. Begley, N.L. Himebaugh, M. Chen. Optometry, Indiana Univ School of Optometry, Bloomington, IN. |
| Poster Session | Contact Lens II | 484 | 4/30/08 3:00 PM | 4/30/08 4:45 PM | Hall B/C | Tear Oxygen Tension Under Silicone-Hydrogel Lenses in Human Subjects | 4/30/08 3:00 PM | 4/30/08 4:45 PM | 4846 | D768 | Cornea | J.A. Bonanno ¹ , C. Clark ¹ , J. Pruitt ² , L. Alvord ² . ¹ School of Optometry, Indiana University, Bloomington, IN; ² Ciba Vision Corporation, Duluth, GA. |

| Session Type Name | Session Title | Session Number | Session Start | Session End | Location | Abstract Title | Presentation Start | Presentation End | Presentation Number | Poster Board Number | Organizing Section | Authors Institutions |
|------------------------------|-----------------------------|----------------|-----------------|-----------------|------------------------|---|--------------------|------------------|---------------------|---------------------|--|---|
| THURSDAY, MAY 1, 2008 | | | | | | | | | | | | |
| Paper Session | Imaging Retinal Disease | 526 | 5/1/08 10:45 AM | 5/1/08 12:30 PM | Palm A | <i>Moderator</i> | 5/1/08 10:45 AM | 5/1/08 12:30 PM | | | Visual Psychophysics/ Physiological Optics | A.E. Elsner. Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Imaging Retinal Disease | 526 | 5/1/08 10:45 AM | 5/1/08 12:30 PM | Palm A | Imaging Polarimetry in Macular Disease | 5/1/08 11:30 AM | 5/1/08 11:45 AM | 5393 | | Visual Psychophysics/ Physiological Optics | M. Miura ¹ , A.E. Elsner ² , B.L. Petrig ² , D.A. VanNasdale ² , B.P. Haggerty ² , T. Iwasaki ³ . ¹ Department Ophthalmology, Tokyo Medical University, Kasumigaura Hospital, Inashiki, Japan; ² School of Optometry, Indiana University, Bloomington, IN; ³ Department Ophthalmology, Tokyo Medical University, Kasumigaura Hospital, Inashiki, Japan. |
| Paper Session | Imaging Retinal Disease | 526 | 5/1/08 10:45 AM | 5/1/08 12:30 PM | Palm A | Detection of Retinal Disease by Cross-Correlation of Different Imaging Modes | 5/1/08 12:00 PM | 5/1/08 12:15 PM | 5395 | | Visual Psychophysics/ Physiological Optics | B.L. Petrig, A.E. Elsner, D.A. VanNasdale, B.P. Haggerty, Y. Zhao, S.A. Burns. School of Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Spatial and Temporal Vision | 553 | 5/1/08 1:00 PM | 5/1/08 2:45 PM | Room 315 | Quantifying and Comparing the Effects of Variations in Retinal Illuminance on Contrast Sensitivity Perimetry (CSP) and Frequency Doubling Technology Perimetry (FDT2/Matrix) | 5/1/08 1:15 PM | 5/1/08 1:30 PM | 5844 | | Visual Psychophysics/ Physiological Optics | M.W. Dui ¹ , A. Hot ¹ , W.H. Swanson ² . ¹ Clinical Sciences, SUNY College of Optometry, New York, NY; ² Optometry, Indiana University, Bloomington, IN. |
| Paper Session | Assessing Dry Eye | 554 | 5/1/08 1:00 PM | 5/1/08 2:45 PM | Floridian Ballroom BCD | The Dry Eye Questionnaire 5 (DEQ-5): Use of a 5-Item Habitual Symptom Score to Discriminate Between Groups With Varying Self-Assessed Severity | 5/1/08 1:15 PM | 5/1/08 1:30 PM | 5851 | | Cornea | R.L. Chalmers ¹ , C.G. Begley ² . ¹ Indiana University School of Optometry, Atlanta, GA; ² Indiana University School of Optometry, Bloomington, IN. |
| Paper Session | Membrane Transport II | 555 | 5/1/08 1:00 PM | 5/1/08 2:45 PM | Grand Floridian B | Elevated cAMP Opposes TNF-α-Induced Breakdown of the Barrier Integrity of Corneal Endothelial Cells | 5/1/08 2:30 PM | 5/1/08 2:45 PM | 5863 | | Physiology/ Pharmacology | S.P. Srinivas, M. Shivanna. Optometry, Indiana University, Bloomington, IN. |
| Poster Session | Pterygium | 563 | 5/1/08 1:00 PM | 5/1/08 2:45 PM | Hall B/C | Corneal Curvature at Different Stages of Pterygium | 5/1/08 1:00 PM | 5/1/08 2:45 PM | 6033 | D639 | Cornea | E.M. Alsaleh, G. Wilson, D. Horner. School of Optometry, Indiana University, Bloomington, IN. |